

Fault Abstract for Cycle starting 9 October 2005

Week				Cycle Category
10/9	10/16	10/23	10/30	Total
0.2	15.9	0.3	0.13	16.5 VUV Downtime
1	0.92	1.16	0	3.1 X-Ray Downtime
16.8	43.72	1.67	2.11	64.3 Equipment Downtime

X-ray DT				Total	Type of Problem
		0.24		0.24	RF Trip
0.45				0.45	AI Trim Ramp
0.15				0.15	Drop out during X17 Ramp
		0.92		0.9	X-25 AI Checks
0.4	0.92			1.32	Power Dip
1	0.92	1.16	0	3.08	

VUV DT				Total	Type of Problem
	0.24	0.3	0.13	0.67	URF1 Fault
0.17	0.43			0.6	Power Dip
	15.3			15.3	Electron Gun replacement (time below 150 mA)
0.17	15.9	0.3	0.13	16.5	

n.b. All times in hours

Faults for week starting 30 October 2005

Wk	Fault #	Date	Time	Group	XRDT	UVDT	EQD	Problem
D	Week of October 30, 2005				0	0.13	2.11	
	LS05-0520	10/30/2005	805	VUV RF Group	0	0.13	0.13	0805: Uv beam dumps on ramp up.RF#1 faults: Reverse PWR. trip, RF#2 Faults: False arc detected,UV RF #1 flt. Reset on both OK
	LS05-0521	10/30/2005	1843	Controls/Diagnostics	0	0	1.65	1843hrs: VUV beam dump (studies-compress beam) - UTRIM micro went down. Found micro powerless. Contacting tech for call-in.
	LS05-0522	10/31/2005	745	Controls/Diagnostics	0	0	0	0745: When closing X29 gap realized it did not open fully when commanded at start of injection. Gap stopped at 4.9mm. Gap did not close when sent a setpoint of 3.3mm.
	LS05-0523	10/31/2005	1936	Controls/Diagnostics	0	0	0	1936hrs: UTRIM micro has been going through "Warm Starts" since 16:00hrs at least a dozen times. (VUV maintenance mode)
	LS05-0524	11/2/2005	2353	X-Ray RF Group	0	0	0	2353: Water mat fault showing up at X-ray RF cavity #4 area, will not clear.Getting ready to go into ring to check it out.
	LS05-0526	11/3/2005	925	Controls/Diagnostics	0	0	0.25	0925 & 1119hrs: x1 gap tolerance error occurred during gap transition from 36 to 53mm. J.Dabrowski responding to problem.
	LS05-0527	11/4/2005	604	Computer Group	0	0	0.08	0604: UV database micro went down. SCON and FUSE lamps on CPU board lit, all others off. Address/data LEDs not flashing.

X-ray Statistics for week starting on 30 October 2005

Operations

Scheduled operations	96	[hr]
Expected number of scheduled fills	9	
Fills completed as scheduled (start and finish)	9	
Anticipated Fill Budget (45 min. per fill)	6.8	[hr]
Anticipated Operating Beam Available	89.3	[hr]
Total fill time during scheduled operations	4.5	[hr]
Delivered beam during scheduled operations	91.5	[hr]
Total beam available (including unscheduled ops)	123.6	[hr]

Disruption Statistics

Number of disruptions	0	
Total lost operations time	0.0	[hr]
Average time between disruptions	168.0	[hr]

Faultless operations this week!

Some degraded operation due to CFN construction

CONCISE STATUS :
BERMAN METER
OPERATIONS FOR THE
WEEK OF
30 OCTOBER 2005

✓✓✓✓ **GREAT**

No X-ray faults
Some disruption from CFN Construction



UV Statistics for week starting on 30 October 2005

Operations

Scheduled operations	108	[hr]
Expected number of scheduled fills	31	
Fills completed as scheduled (start and finish)	32	
Anticipated Fill Budget (5 min. per fill)	2.6	[hr]
Anticipated Operating Beam Available	105.4	[hr]
Total fill time during scheduled operations	3.0	[hr]
Delivered beam during scheduled operations	105.0	[hr]
Total beam available (including unscheduled ops)	133.7	[hr]

Disruption Statistics

Number of disruptions	1	
Total lost operations time	0.1	[hr]
Average time between disruptions	8.1	[hr]

n.b. One disruption early in week; skews statistics on ATBD

CONCISE UV STATUS :

Dan-o-graph
OPERATIONS FOR
THE WEEK OF
30 OCTOBER 2005

✓✓✓✓ **GREAT**

UV disruption time 0.1 hr
133 hours of user beam



Ring	X	U
Schedule	D	D
Sunday	O	O/S
Monday	O/S	M
Tuesday	S/M	M
Wednesday	M	O
Thursday	S/O	O
Friday	O	O/X
Saturday	O	O

Fill Metrics	X	U
Week Starting on	D	D
October 30, 2005		
Planned number of User Fills	9	31
Total Number of User Fills	9	32
Fills to scheduled completion	9	32
Disruptions during Operations	0	1
Average Time between Disruptions [hr]	168	
Disruptions Requiring Repairs	0	
Average Time to Recover [min]	0	
Average User Fill Time [min]	30.1	

Planned X-ray Hours		
Maintenance	42	
Studies	30	
Operations	96	96
Fill Budget		(6.8)

Planned User Hours	89.3
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Delivered Operations 91.5

Actual X-ray Hours		
Maintenance	36	
Studies	4	
Scheduled Op'n	96	96
Unscheduled Op'n	32	32.2
Fills		(4.5)

Maximum User Hours	123.6
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Faults	0.0
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Delivered User Beam 123.6